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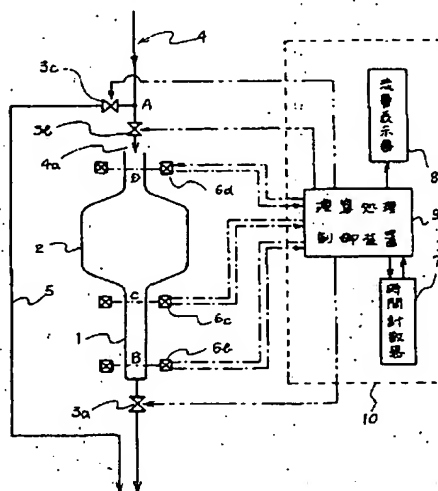
(57) Abstract:

PURPOSE: To compute the flow rate of low pressure liquid by communicating a large capacity constant quantity device to the upper part of a small capacity constant quantity device, providing detectors at three locations at lower and upper parts of the small capacity device and the upper part of the large capacity device, and automatically using the constant quantity devices on selective basis.

CONSTITUTION: The large capacity constant quantity device 2 is communicated to the upper part of the small capacity constant quantity device 1. A solenoid valve 3a which controls the discharge of the liquid is provided at the bottom of the constant quantity device 1. A solenoid valve 3b, which controls the inflow of the liquid, is provided at an inlet part of the constant quantity device 2. Liquid detectors 6b, 6c, and 6d are provided at the lower and upper parts of the constant quantity device 1 and the upper part of the constant quantity device 2. The output signals from the liquid detectors 6b, 6c, and 6d are inputted to an operation processing control device 9. The time required to fill the constant quantity device 1 in response to the change in flow rate or the time required to fill the constant

quantity device 2 are automatically measured, and the flow rate of the liquid is automatically measured based on the measured values.

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